

Tseng, Antony

From: Guha, Biswarup <Biswarup.Guha@dep.state.nj.us>
Sent: Tuesday, December 24, 2013 9:22 AM
To: Tseng, Antony
Subject: RE: HDR HydroQual model training

Antony,

I was trying to install it myself since the IT guys here who are conversant with LINUX will be away for quite some time. Hence the questions. We are allowed at NJDEP to install VBOX fortunately.

The package may have been delivered to the mail room, but we (our Bureau) haven't got it yet. Will probably be brought up sometime today.

Best Regards,
-Roop.

609-292-1592

From: Tseng, Antony [mailto:Tseng.Antony@epa.gov]
Sent: Tuesday, December 24, 2013 9:00 AM
To: Guha, Biswarup
Cc: Hirst, Barbara; Nyman, Robert; O'Connor, Rosella T.; Locicero, Felix
Subject: RE: HDR HydroQual model training

Roop,

I did include a notes.txt file on the external drive I sent back to you that includes the versions of LINUX that are said to be compatible with the models. These operating systems are: OpenSuse 12.3 64bit; Mageia 3, 64bit; and Debian 7.1, 64 bit. I also included other documentation regarding desired hardware requirements.

However with regards to the contract, it was very limited and restricted in scope to remain consistent with our rules. As I mentioned before, we were not allowed to install the virtual box (VBOX) and by default I cannot contract work to produce instructions to do something I'm not allowed to do. Therefore, I am not going to be able to be much help trying to answer your VBOX questions. I would gather perhaps that your IT folks can probably guide you on the installation of a LINUX operating system in a configuration that would be consistent with their setup and security.

Regardless, I just sent an email to Bob Nyman if there is tech support available yet under the training vehicle he set up. He may be better at helping you because of the grant that the training was set up under. I believe there was a certain number of hours set up for NJDEP for this purpose. This also would serve as NJDEP's resource to answer questions about the model itself. I will help if I can based on my own novice experience with the model, but I am not going to be the access point for questions to HDR HydroQual.

Merry Christmas,
- Antony

From: Guha, Biswarup [mailto:Biswarup.Guha@dep.state.nj.us]
Sent: Monday, December 23, 2013 4:28 PM
To: Tseng, Antony

Cc: Hirst, Barbara; Nyman, Robert; O'Connor, Rosella T.; Locicero, Felix

Subject: RE: HDR HydroQual model training

Hi Antony:

Good afternoon!

Was trying to install the VBOX and had some questions:

1. What operating system (version of LINUX) did HydroQual use when they shared / transferred Virtual box/machine to other states? You specified four names: *Mageia* (www.mageia.org<<http://www.mageia.org>>), *OpenSuse* (www.opensuse.org<<http://www.opensuse.org>>), *Ubuntu* (www.ubuntu.com<<http://www.ubuntu.com>>), and *Debian* (www.debian.org<<http://www.debian.org>>). Confirming this would probably help us avoid issues later on.
2. What type of hard drive should we use while installing VBOX?. There are 6 options: VDI, VMDR, VHD, HDD, QED and QCOW.
3. What type of physical storage on physical hard drive should we choose? Dynamic or static?

Did you say previously that EPA's IT rules prevent getting the installation package as well as instructions from HydroQual? If we can get the instructions, that would save a lot of time rather than googling for answers. I believe HQ has some video-manuals but not sure if they will be helpful without the setup files that they usually provide.

I am assuming that if I have questions regarding the model itself, I will not contact HydroQual directly but email you.

Best Regards and merry christmas,

-Roop.

609-292-1592

-----Original Message-----

From: Tseng, Antony [<mailto:Tseng.Antony@epa.gov>]

Sent: Monday, November 18, 2013 10:06 AM

To: Guha, Biswarup

Cc: Hirst, Barbara; Nyman, Robert; O'Connor, Rosella T.; Locicero, Felix

Subject: RE: HDR HydroQual model training

Roop,

I'm not an IT specialist either but I will say I will be conducting our own EPA test of the model executables in a LINUX cloud at <http://iemhub.org/> by comparing known output files with the output files generated in this LINUX cloud - similar to what I believe you are going to do. EPA has a relationship with iemHUB and it was the only viable solution for EPA to have access to a LINUX environment so that EPA would be able to run the models. As you may know, I am expecting the output files to be quite expansive so my time for the model verification for EPA will keep me busy.

- Antony

-----Original Message-----

From: Guha, Biswarup [<mailto:Biswarup.Guha@dep.state.nj.us>]

Sent: Monday, November 18, 2013 9:50 AM

To: Tseng, Antony

Cc: Hirst, Barbara; Nyman, Robert; O'Connor, Rosella T.; Locicero, Felix

Subject: RE: HDR HydroQual model training

Anthony,

Thanks! Per our conference call with Robin/HDR earlier, HDR was ok with providing some technical assistance with installing the virtual machine (VM) and I believe they may already have some videos showing the steps to install the "VM". I am not a IT specialist so may be wrong, but I thought it is critical that the configurations (e.g. associated FORTRAN compilers etc.) where they tested SWEM be identical in order to reproduce the results. Would that be available at the least? The VM can be downloaded at our end as you indicated.

Thanks for your continued assistance.

Regards,
Roop.

From: Tseng, Antony [Tseng.Antony@epa.gov]
Sent: Monday, November 18, 2013 9:10 AM
To: Guha, Biswarup
Cc: Hirst, Barbara; Nyman, Robert; O'Connor, Rosella T.; Locicero, Felix
Subject: RE: HDR HydroQual model training

Roop,

I understand - EPA's IT rules have forbidden us from procuring the "virtual machine" setup. However, Linux is distributed royalty-free under the GPL open source licensing system by many vendors such as Mageia (www.mageia.org), OpenSuse (www.opensuse.org), Ubuntu (www.ubuntu.com), and Debian (www.debian.org). Links to the download pages are described on the home pages of these distributions. It is my understanding that the model codes will run on OpenSuse 12.3 64bit, Mageia 3, 64bit, and Debian 7.1, 64 bit which I believe are the latest versions.

It will need to be up to you how you and your IT folks how you want to setup your own Linux environment.

EPA will be providing the model codes.

Thanks,
- Antony

From: Nyman, Robert
Sent: Friday, November 15, 2013 2:27 PM
To: Guha, Biswarup
Cc: Hirst, Barbara; Tseng, Antony
Subject: RE: HDR HydroQual model training

Roop,

Antony is handling the software side, so I'll ask him to respond to you on this request.

Bob

From: Guha, Biswarup [mailto:Biswarup.Guha@dep.state.nj.us]
Sent: Friday, November 15, 2013 2:17 PM
To: Nyman, Robert

Cc: Hirst, Barbara
Subject: RE: HDR HydroQual model training
Importance: High

Hi Bob:

Good afternoon!

For the HDR / HydroQual training in February, I was wondering if HDR can provide us with the software requiring installation (Virtual machine) sufficiently ahead of the training so that I can go through the new time-consuming procedures which have been imposed on us by Office of Information Resources Management (OIRM) at DEP. I can provide with the external hard drives whenever HDR is ready. Please let me know and I will plan accordingly.

Best Regards,
-Roop.

609-292-1592

-----Original Appointment-----

From: Nyman, Robert [mailto:Nyman.Robert@epa.gov]

Sent: Tuesday, October 29, 2013 4:09 PM

To: Nyman, Robert; Guha, Biswarup; Pang, Helen; Robert Capowski; Angus Eaton; Remnek, Alexandre; O'Connor, Rosella T.; Locicero, Felix; Gaylord, Brent; Lorraine Holdridge

Cc: Jeff Myers; Sherman, Clay; Balla, Richard

Subject: HDR HydroQual model training

When: Tuesday, February 04, 2014 9:00 AM-4:00 PM (UTC-05:00) Eastern Time (US & Canada).

Where:

When: Tuesday, February 04, 2014 9:00 AM-4:00 PM (UTC-05:00) Eastern Time (US & Canada).

Note: The GMT offset above does not reflect daylight saving time adjustments.

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Tuesday February 4, 2014 from 9:00 - 4:00 has been selected for the 6 hour harbor model training session that will be run by HDR HydroQual.

Further information about accessing the webinar training and preparation materials will be communicated to you prior to the meeting.

Thanks, Bob

Robert Nyman
New York-New Jersey Harbor & Estuary Program U.S. Environmental Protection Agency
290 Broadway, 24th Floor
New York, NY 10007
212-637-3809